

## University of Groningen

### Exploring anti-fibrotic drugs

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## PROPOSITIONS

# Exploring anti-fibrotic drugs

## Focusing on an ex vivo model of fibrosis

Theerut Luangmonkong

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1. Even though galunisertib is a promising drug candidate for the treatment of fibrosis, its clinical efficacy remains to be elucidated. (This thesis)
2. Palmitic acid-induced lipotoxicity is not a prerequisite for the development of non-alcoholic fatty liver disease in precision-cut liver slices. (This thesis)
3. Targeting reactive oxygen species for the treatment of liver fibrosis might greatly impede the innate immune system.
4. Experimental models of organ fibrosis only approximate reality.
5. Scientists try to develop very selective anti-fibrotic drugs whereas non-selectivity may possibly be more beneficial.
6. Collagen is a component of innovative cosmetic products to increase skin elasticity, but diminishing collagen deposition is a therapeutic strategy to treat of fibrosis.
7. Nothing is good or bad forever. It depends on the mindset.
8. Conflict is everywhere. Even though agreements are made by majorities, voices of the minority must be respected.
9. If you cannot change yourself, it is impossible to change others.